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## **.125 as a fraction simplified**

The simplest form of  $\frac{125}{1000}$  is  $\frac{1}{8}$ . Steps to simplify fractions: Find the GCD (or HCF) of the numerator and denominator. GCD of 125 and 1000 is 125. Divides both the numerator and the denominator by GCD:  $\frac{125}{125} \div \frac{125}{1000} \div 125$ . Reduced fraction:  $\frac{1}{8}$ . Therefore  $\frac{125}{1000}$  simplified to the lowest terms is  $\frac{1}{8}$ . MathStep (Works offline) Download our mobile app and learn how to work with fractions in your own time : Android and iPhone/ iPad Equivalent fractions:  $\frac{250}{2000}$   $\frac{375}{3000}$   $\frac{625}{5000}$   $\frac{25}{200}$   $\frac{875}{7000}$  More fractions:  $\frac{250}{1000}$   $\frac{12}{5}$   $\frac{2000}{375}$   $\frac{1000}{125}$   $\frac{3000}{126}$   $\frac{1000}{125}$   $\frac{1001124}{1000}$   $\frac{125}{999}$  What is 0.125 as a fraction? What is 0.125 as a fraction in the smallest term? What does it mean to convert 0.125 into a fraction? It means that you want to convert the decimal number .125 into a fraction with a numerator (N) and denominator (D). In other words, you want to solve this equation: Here we will not only clearly explain how to get the answer to 0.125 as a fraction, but also prove that our answer is correct. First, note that 1000 multiplied by .125 will get rid of the decimal point. So make a fraction where the numerator is 0.125 times 1000 and denominator is 1000 like this: Then multiply the numbers in the numerator together and keep the denominator as is. Now our fraction looks like this: The largest common factor of 125 and 1000 is 125, which means you can divide the numerator and denominator by 125 and keep the same value: And when calculating the numerator and denominator in our above fraction, we have .125 as a fraction in the simplest possible form: A numerator over a denominator in a fraction is the same as the numerator divided by denominator. If you enter 1 divided by 8 in your calculator, you'll see that the answer is 0.125. Therefore, we know that the above answer is correct. Decimal as a fraction calculator Now you know that 0.125 as a fraction is  $\frac{1}{8}$ . Here you can send another decimal number to convert into a fraction. .12501 as a fraction Check out the next decimal number in our list that we convert into a fraction. Copyright | Privacy Policy | Disclaimer | Contact The exercise below with step-by-step calculation shows how to simplify the  $\frac{125}{100}$  fraction to its lowest or simplest form. Below are the two methods used to convert the fraction into its lowest terms. 1. GCD or HCF 2 method. Gcd Prime Factoring Method Method: Step 1 Addresses the formula, input

parameters, and values. Input parameters and values: The given fraction = 125/100 step 2 Find GCD (Largest Common Factor) for numerator & denominator. The GCF for 125 & 100 is 25 step 3 divide the numerator & denominator by GCD 25 and rewrite the fraction = (125/25) / (100/25) = 5/4 So 5/4 is the simplified fraction to 125/100 using the GCD or HCF method. Prime Factorization Method : Step 1 Parameters and Values of address. Input parameters input Values: The given fraction = 125/100 step 2 Find prime factors for both numerator & denominator how much to rewrite the fraction in the form of prime factors Prime factors for 125 = 5 x 5 x 5 FactorsPrime to 100 = 2 x 2 x 5 x 5= (5 x 5 x 5) / (2 x 2 x 5 x 5) step 3 solve and rewrite the fraction = ( 5)/(2 x 2 ) = 5/4 So, 5/4 is the simplified fraction for 125/100 using the main factoring method. You can refer to the chart below for a simpler form of 125/100 and its nearest values. Reduced Fraction ValueDecimma100/754/31.3333100/1254/50.8125/755/31.6667125/1005/41.25125/1505/60.8333150/1256/51.2175/757/32.32.333175/1007/41.75175/1257/51.4175/1507/61.1667200/1258/51.6 The exercise below with step-by-step calculation shows how to simplify the 125/1000 fraction to its lowest or simplest form. Below are the two methods used to convert the fraction into its lowest terms.1. GCD or HCF 2 method. Gcd Prime Factoring Method Method: Step 1 Addresses the formula, input parameters, and values. Input parameters and values: The given fraction = 125/1000 step 2 Find GCD (Largest Common Factor) for numerator & denominator. The GCF for 125 & 1000 is 125 step 3 divide the numerator & denominator by GCD 125 and rewrite the fraction = (125/125) / (1000/125) = 1/8 So 1/8 is the simplified fraction to 125/1000 using the GCD or HCF method. Prime Factorization Method: Step 1 Parameters and Address Input Values. Input parameters and values: The given fraction = 125/1000 step 2 Find prime factors for both numerator & denominator how much to rewrite the fraction in the form of prime factors Prime factors for 125 = 5 x 5 x 5 Prime factors for 1000 = 2 x 2 x 2 x 5 x 5= (5 x 5 x 5) / (2 x 2 x 2 x 5 x 5 x 5) step 3 solve and rewrite the fraction = (1)/(2 x 2 x 2 ) = 1/8 So, 1/8 is the simplified fraction for 125/1000 using the main factoring method. You can refer to the chart below for a simpler form of 125/1000 and its nearest values. FractionOf formed Valordecimma125/8751/70.1429125/10001/80.125125/11251/90.1111125/12 501/100.1250/8752/70.2857250/11252/90.222375/8753/70.4286375/1 03/80.375375/12503/100.3500/8754/70.5714500/11254/90.4444625/8 7 55/70.7143625/10005/80.625625/11255/90.5556 0.125 is the same as 125/1000. That's because we have to remove the decimal point before creating a fraction. So 0.125 times per 1000 is 125 and at this point the decimal point has been removed. But 125/1000 is not the simplest way the fraction could be. If we divide both the top and the bottom by 5, since we know that 125 is a multiple of 5, we have 25/200. Divide both by 5 again to get 5/40. Divide by another 5 times to get 1/8, and because the numerator is 1, the fraction cannot be simplified anymore. Therefore, the answer in simplest way is 1/8. 1/8.

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